In the Claims

1. (Currently Amended) A <u>computer implemented</u> method of identifying potential risk, the risk due to potential disruptions in material supply to a manufacturing facility, the method comprising:

identifying a component for an assembled product, the component being purchased from a supplier, wherein identifying the component includes identifying the supplier and a manufacturer's part number of the component; and storing an identity of the component; and, identifying potential risk due to potential disruptions in material supply of the

component.

2. (Currently Amended) A <u>computer implemented</u> method of identifying potential risk, the risk due to potential disruptions in material supply to a manufacturing facility, the method comprising:

determining a set of components for an assembled product;

storing the set of components;

determining a set of sub-components for the set of components; storing the set of sub-components; and

combining the set of components and the set of sub-components; and,

identifying potential risk due to potential disruptions in material supply of a component from the set components and the set of of sub-components.

3. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

storing a country of origin of the set of components.

4. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

storing an indicia of the geopolitical risk associated with the country of origin of the set of components.

5. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

storing an identity of a supplier of the set of components.

6. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

storing an identity of an assembler of the set of components.

7. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

determining a product assembled by a manufacturer, the product including the set of components.

8. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

determining identifying an end-of-life date of the set of components.

9. (Currently Amended) The <u>computer implemented</u> method as recited in claim 8, further comprising:

identifying components at risk from the set of components due to a capital cycle risk of
the set of components determining whether components are at-risk due to a capital
cycle risk, the capital cycle risk being determined by predictability of demand
versus supply and capital flexibility.

10. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

storing the identity of a fabricator of the set of components, wherein the identity of the fabricator includes the name of the foundry.

11. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

- determining which components from the set of components are implicated based upon an identified geopolitical risk evaluating geopolitical risk based upon geographic concentration and a risk associated with a geographic location.
- 12. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:
 - determining which evaluating whether components from the set of components are implicated based upon an identified innovation risk.
- 13. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:
 - determining which evaluating whether components from the set of components are implicated based upon an identified risk due to a supplier concentration.
- 14. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

identifying components within a fixed period of an end-of-life date.

- 15. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:
 - forecasting future requirements of a component receiving a production plan and generating a material requirement plan for a component.
- 16. (Currently Amended) The <u>computer implemented</u> method as recited in claim 15, further comprising:
 - forecasting future shortages of the components if quantities of the component are not available to support the material requirement plan for the component, identifying that shortages of the component are possible.
 - 17. 46 (Cancelled).